

Auxiliary RGB Strobe Kit Operations Guide

Part #011288
Document Part #931341B

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Auxiliary RGB Strobe Kit Operations Guide 931341B
Part # 011288

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Technical Support

The fastest way to get technical support for your VoIP product is to submit a VoIP Technical Support form at the following website:
<http://support.cyberdata.net/>

Phone: (831) 373-2601, Ext. 333

Email: support@cyberdata.net

Fax: (831) 373-4193

Company and product information is at www.cyberdata.net.

Revision Information

Revision 931341B was released on February 14, 2017.

- Adds [Section 2.4, "Connecting the Auxiliary RGB Strobe Kit to the Intercom"](#)
- Updates [Figure 1-1, "Model Number Label"](#)
- Updates [Figure 2-9, "Device Configuration Page \(for Singlewire InformaCast Products Only\)"](#)
- Updates [Figure 2-10, "SIP Configuration Page"](#)
- Updates [Figure 2-11, "Multicast Configuration Page"](#)
- Updates [Figure 2-12, "Sensor Configuration Page"](#)
- Updates [Table 2-3, "Device Configuration Parameters"](#)
- Updates [Table 2-4, "SIP Configuration Parameters"](#)
- Updates [Table 2-5, "Multicast Page Parameters"](#)
- Updates [Table 2-6, "Sensor Configuration Parameters"](#)
- Updates [Figure A-3, "Wall Mounting with Single or Two Gang Box"](#)

Browsers Supported

The following browsers have been tested against firmware version x.x.x:

- Internet Explorer (version: 10)
- Firefox (also called Mozilla Firefox) (version: 23.0.1 and 25.0)
- Chrome (version: 29.0.1547.66 m)
- Safari (version: 5.1.7)

Pictorial Alert Icons

	<p>General Alert</p> <p>This pictorial alert indicates a potentially hazardous situation. This alert will be followed by a hazard level heading and more specific information about the hazard.</p>
	<p>Ground</p> <p>This pictorial alert indicates the Earth grounding connection point.</p>

Hazard Levels

Danger: Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury. This is limited to the most extreme situations.

Warning: Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

Caution: Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury. It may also alert users against unsafe practices.

Notice: Indicates a statement of company policy (that is, a safety policy or protection of property).

The safety guidelines for the equipment in this manual do not purport to address all the safety issues of the equipment. It is the responsibility of the user to establish appropriate safety, ergonomic, and health practices and determine the applicability of regulatory limitations prior to use. Potential safety hazards are identified in this manual through the use of words Danger, Warning, and Caution, the specific hazard type, and pictorial alert icons.

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
13. Prior to installation, consult local building and electrical code requirements.

14. WARNING: The Auxiliary RGB Strobe Kit enclosure is not rated for any AC voltages!

 <p>GENERAL ALERT</p>	<p>Warning</p> <p><i>Electrical Hazard:</i> This product should be installed by a licensed electrician according to all local electrical and building codes.</p>
 <p>GENERAL ALERT</p>	<p>Warning</p> <p><i>Electrical Hazard:</i> To prevent injury, this apparatus must be securely attached to the floor/wall in accordance with the installation instructions.</p>
 <p>GENERAL ALERT</p>	<p>Warning</p> <p>The PoE connector is intended for intra-building connections only and does not route to the outside plant.</p>

Abbreviations and Terms

Abbreviation or Term	Definition
A-law	A standard companding algorithm, used in European digital communications systems to optimize, i.e., modify, the dynamic range of an analog signal for digitizing.
AVP	Audio Video Profile
Cat 5	TIA/EIA-568-B Category 5
DHCP	Dynamic Host Configuration Protocol
LAN	Local Area Network
LED	Light Emitting Diode
Mbps	Megabits per Second.
NTP	Network Time Protocol
PBX	Private Branch Exchange
PoE	Power over Ethernet (as per IEEE 802.3af standard)
RTFM	Reset Test Function Management
SIP	Session Initiated Protocol
u-law	A companding algorithm, primarily used in the digital telecommunication
UC	Unified Communications
VoIP	Voice over Internet Protocol

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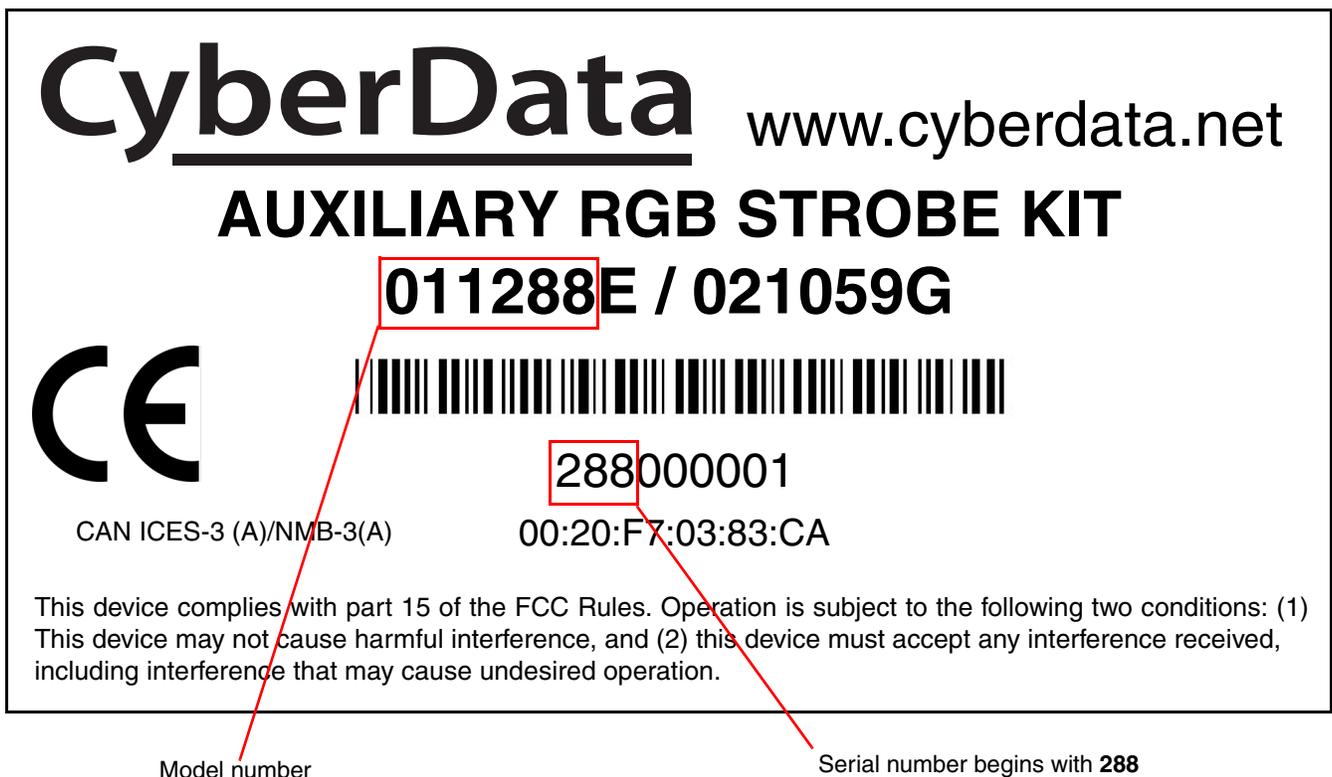
1 Product Overview

1.1 How to Identify This Product

To identify the Auxiliary RGB Strobe Kit, look for a model number label similar to the one shown in [Figure 1-1](#). Confirm the following:

- The model number on the label should be 011288.
- The serial number on the label should begin with **288**.

Figure 1-1. Model Number Label



1.2 Product Features

- Meets ADA requirements for telephony signaling and notification
- Five "scenes" with adjustable brightness for each strobe trigger
- Support for 10 multicast addresses
- SIP activation
- Mailbox message waiting indication
- Multicast activation
- Web-based setup
- PoE-powered

1.3 Supported Protocols

When attached to a supported CyberData device, the Auxiliary RGB Strobe kit supports:

- SIP
- HTTP Web-based configuration

Provides an intuitive user interface for easy system configuration and verification of Auxiliary RGB Strobe Kit operations.

- RTP

1.4 Specifications

Table 1-1. Specifications

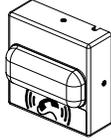
Specifications	
Power Input	Supplied by the supported CyberData VoIP endpoint
Flash rate	4 scenes available
Operating Temperature	-10° C to 50° C (14° F to 122° F)
Dimensions	4.5 inches [115 mm] Length 2.1 inches [55 mm] Width 4.5 inches [115 mm] Height
Weight	1.0 lbs. (0.45 kg)
Boxed Weight	2.0 lbs. (0.90 kg)
Part Number	011288

2 Installing the Auxiliary RGB Strobe Kit

2.1 Parts List

Table 2-2 illustrates the Auxiliary RGB Strobe Kit parts.

Table 2-2. Parts List

Quantity	Part Name	Illustration
1	Auxiliary RGB Strobe Kit Assembly	
1	Installation Quick Reference Guide	
1	Auxiliary RGB Strobe Kit Mounting Accessory Kit	

2.2 Connecting the Auxiliary RGB Strobe Kit to the SIP Paging Amplifier

1. Remove the mounting screw to remove the cover plate. See [Figure 2-2](#).
2. Remove the hole plug and grommet. See [Figure 2-2](#).
3. Connect the strobe cable to the device as shown in [Figure 2-2](#) and [Figure 2-3](#).
4. Slide the cover plate through the slot on the cable grommet. See [Figure 2-2](#).
5. Install the mounting screw to secure the cover plate. See [Figure 2-2](#).

Figure 2-2. Connecting the RGB Strobe Kit to the SIP Paging Amplifier

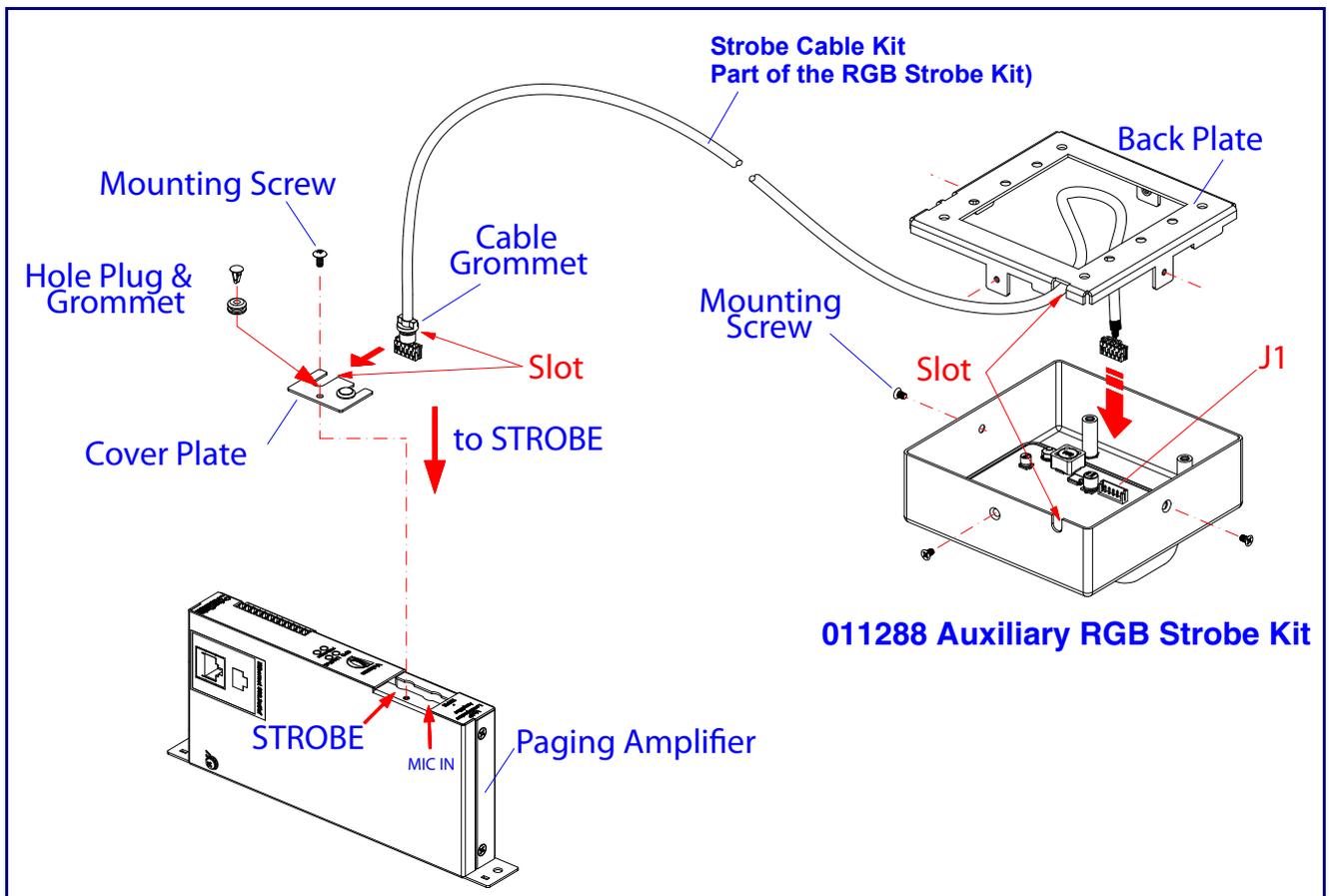
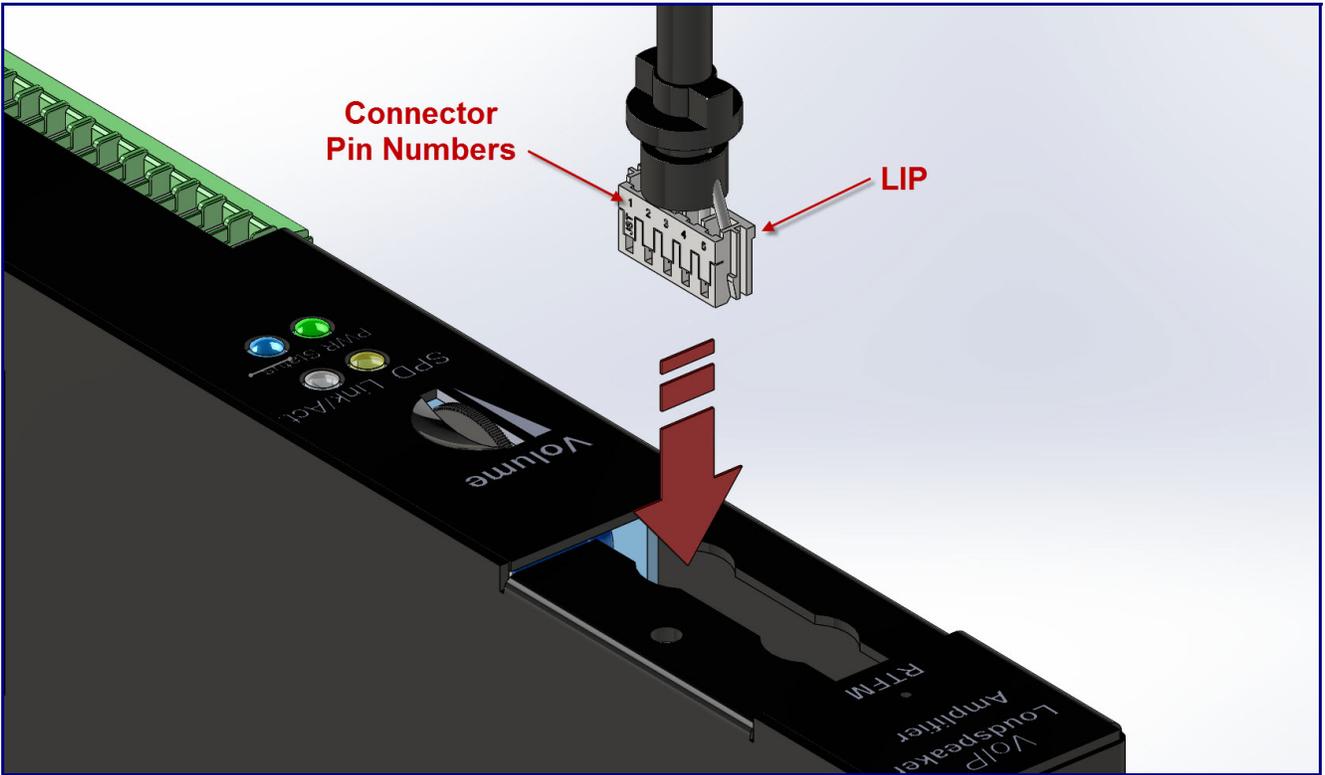


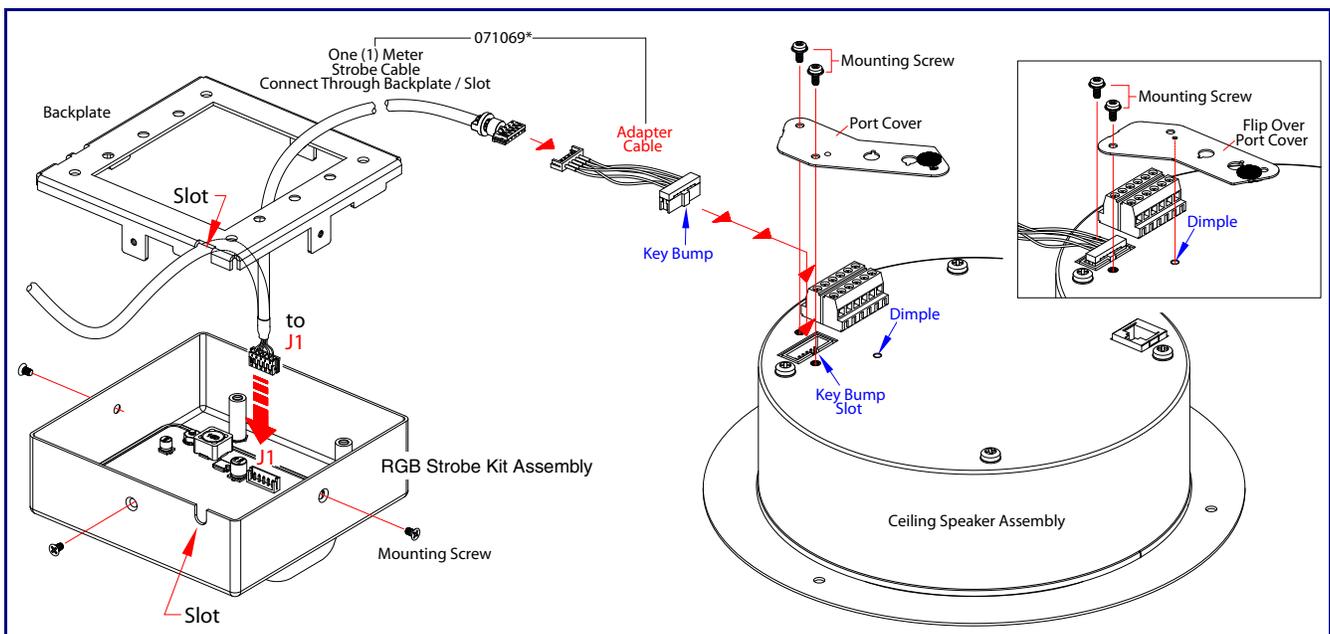
Figure 2-3. Strobe Cable Connection



2.3 Connecting the Auxiliary RGB Strobe Kit to the SIP Speaker

1. Connect the one meter strobe cable to the adapter cable. See [Figure 2-4](#).
2. Remove the mounting screws and port cover from the SIP Speaker. See [Figure 2-4](#).
3. Align the key bump on the adapter cable to the key bump slot on the SIP Speaker. See [Figure 2-4](#).
4. Replace the port cover and mounting screw. See [Figure 2-4](#).

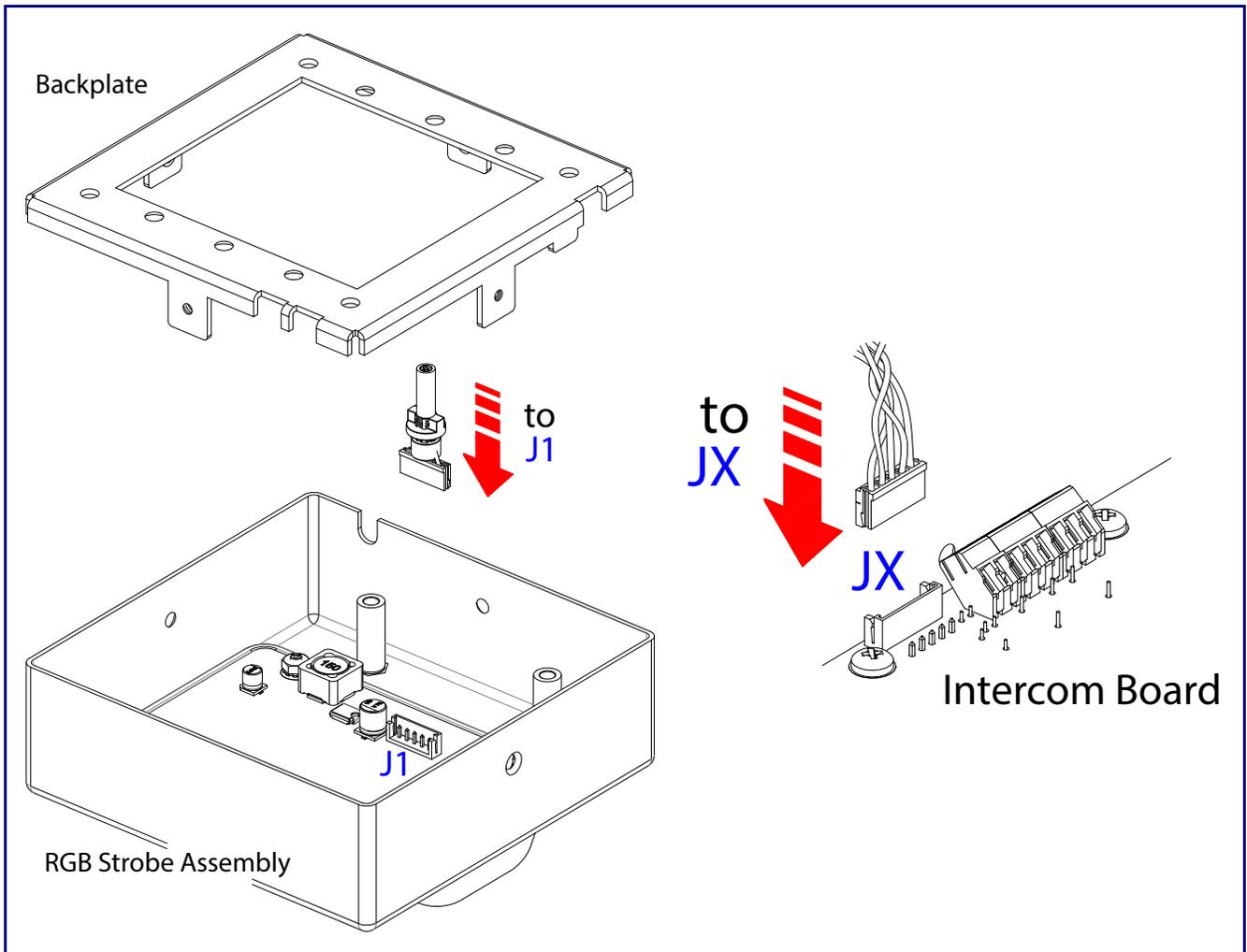
Figure 2-4. Connecting the RGB Strobe Kit to the SIP Speaker



2.4 Connecting the Auxiliary RGB Strobe Kit to the Intercom

1. Connect the strobe cable to the board of the Strobe and the board of the Intercom as shown in [Figure 2-4](#).

Figure 2-5. Connecting the RGB Strobe Kit to the Intercom



2.5 Web UI Pages

2.5.1 Using the Toggle Help Button

The **Toggle Help** button allows you to see a short description of some of the settings on the webpage. To use the **Toggle Help** button, do the following:

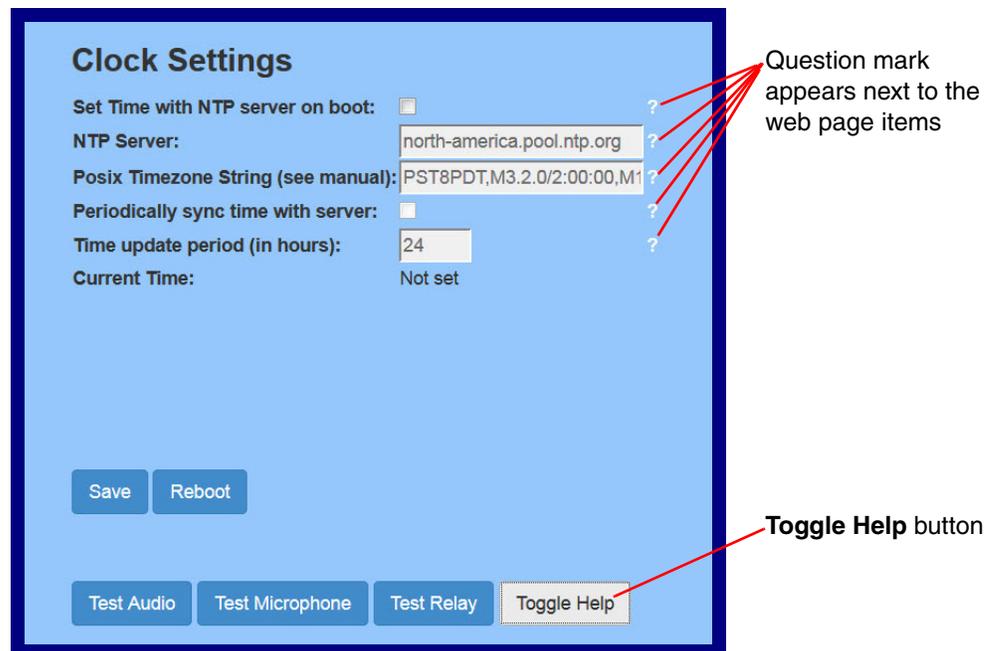
1. Click on the **Toggle Help** button that is on the UI webpage. See [Figure 2-6](#) and [Figure 2-7](#).

Figure 2-6. Toggle/Help Button



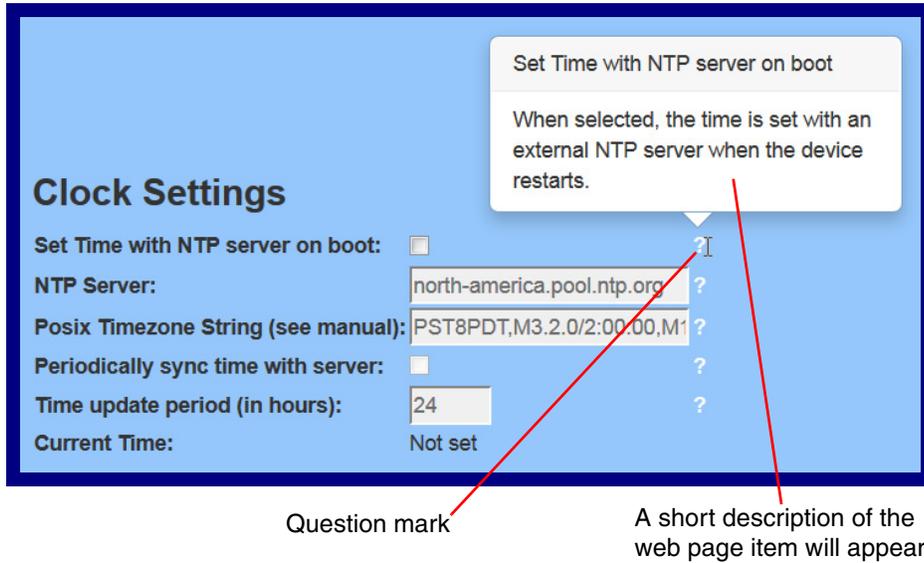
2. You will see a question mark (?) appear next to each web page item that has been provided with a short description by the Help feature. See [Figure 2-7](#).

Figure 2-7. Toggle Help Button and Question Marks



3. Move the mouse pointer to hover over the question mark (?), and a short description of the web page item will appear. See Figure 2-8.

Figure 2-8. Short Description Provided by the Help Feature



2.5.2 Configure the Device (for Singlewire InformaCast Products Only)

1. Click the **Device** menu button to open the **Device** page. See [Figure 2-9](#).

Figure 2-9. Device Configuration Page (for Singlewire InformaCast Products Only)

Home
Device
Network
SIP
Multicast
Sensor
Audiofiles
Events
DSR
Autoprov
Firmware

CyberData Device

Volume Settings (0-9)

SIP Volume:

Multicast Volume:

Ring Volume:

Sensor Volume:

Push to Talk Volume:

No Volume Boost

Relay Settings

Activate Relay with DTMF code:

Relay Pulse Code:

Relay Pulse Duration (in seconds):

Relay Activation Code:

Relay Deactivation Code:

Play tone during DTMF Activation:

Activate Relay During Ring:

Activate Relay During Night Ring:

Activate Relay While Call Active:

Activate Relay On Button Press:

Relay On Button Press Duration:

Activate Relay on IC Page:

Microphone Settings (0-9)

Microphone Gain:

Push to Talk Microphone Gain:

Clock Settings

Set Time with NTP server on boot:

NTP Server:

Posix Timezone String (see manual):

Periodically sync time with server:

Time update period (in hours):

Current Time: 18:43:47

Misc Settings

Device Name:

Auto-Answer Incoming Calls:

Button Lit when Idle:

Button Brightness (0-255):

Play Ringback Tone:

Enable Push to Talk:

Enable DTMF Push to Talk:

Prevent Call Termination:

Disable HTTPS (NOT recommended):

Singlewire Broadcast Strobe Settings

Priority	Scene ?	Color ?	Brightness ?	Red ?	Green ?	Blue ?	
1	ADA	White	<input type="text" value="100"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	Preview
2	Slow Fade	Green	<input type="text" value="80"/>	<input type="text" value="0"/>	<input type="text" value="255"/>	<input type="text" value="0"/>	Preview
3	Fast Fade	Blue	<input type="text" value="33"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="255"/>	Preview
4	Slow Blink	Yellow	<input type="text" value="45"/>	<input type="text" value="255"/>	<input type="text" value="255"/>	<input type="text" value="0"/>	Preview
5	Fast Blink	Red	<input type="text" value="66"/>	<input type="text" value="255"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	Preview
6	Off	Red	<input type="text" value="100"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	Preview
7	Fast Fade	Green	<input type="text" value="75"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	Preview
8	Slow Blink	Blue	<input type="text" value="100"/>	<input type="text" value="0"/>	<input type="text" value="255"/>	<input type="text" value="255"/>	Preview
9	Fast Blink	Yellow	<input type="text" value="90"/>	<input type="text" value="255"/>	<input type="text" value="0"/>	<input type="text" value="255"/>	Preview
10	Fast Fade	Violet	<input type="text" value="50"/>	<input type="text" value="180"/>	<input type="text" value="75"/>	<input type="text" value="220"/>	Preview

The strobe settings will only appear if you are using the Strobe Kit. If you are not using the Strobe Kit, you will not see the strobe settings.

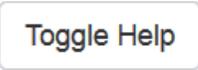
2. On the **Device** page, you may enter values for the parameters indicated in [Table 2-3](#).

Note The question mark icon (?) in the following table shows which web page items will be defined after the **Toggle Help** button is pressed.

Table 2-3. Device Configuration Parameters

Web Page Item	Description
Singlewire Broadcast Strobe Settings	For up to 10 Singlewire pages, when a priority is specified for the page, a corresponding strobe scene will be activated. The color may be selected from the drop down menu, or customized by the user with the 0-255 scale. Brightness is specified with a value between 0 and 100. The following strobe settings will only appear if you are using the Strobe Kit. If you are not using the Strobe Kit, you will not see the strobe settings.
Priority ?	Indicates the priority of the Singlewire broadcast, with 1 the highest priority and 10 the lowest.
Scene ?	Use this section to select the strobe flashing behavior for the Singlewire Broadcast.
ADA Compliant ?	Strobe will blink ON at the specified brightness for 150ms then OFF for 350ms during the duration of the event.
Slow Fade ?	Strobe will increase in brightness from 0 to the specified brightness and back to 0 over the course of about 3.5 seconds during the duration of the event.
Fast Fade ?	Strobe will increase in brightness from 0 to the specified brightness and back to 0 over the course of about 1.5 seconds during the duration of the event.
Slow Blink ?	Strobe will blink ON at the specified brightness for one second then OFF for one second during the duration of the event.
Fast Blink ?	Strobe will blink ON at the specified brightness then OFF five times per second during the duration of the event.
Color ?	Select the desired color (only one may be chosen).
Brightness ?	How bright the strobe will blink when there is a Singlewire Broadcast. This is the maximum brightness for "fade" type scenes.
Red ?	The red LED value for the Singlewire Broadcast.
Green ?	The green LED value for the Singlewire Broadcast.
Blue ?	The blue LED value for the Singlewire Broadcast.
	Use this button to preview the strobe flashing behavior for the Sensor Strobe Settings .
	Click on the Test Audio button to do an audio test. When the Test Audio button is pressed, you will hear a voice message for testing the device audio quality and volume.

Table 2-3. Device Configuration Parameters (Continued)

Web Page Item	Description
	<p>Click on the Test Microphone button to do a microphone test. When the Test Microphone button is pressed, the following occurs:</p> <ol style="list-style-type: none"> 1. The device will immediately start recording 3 seconds of audio. 2. The device will beep (indicating the end of recording). 3. The device will play back the recorded audio.
	<p>Click on the Test Relay button to do a relay test.</p>
	<p>Click the Save button to save your configuration settings. Note: You need to reboot for changes to take effect.</p>
	<p>Click on the Reboot button to reboot the system.</p>
	<p>Click on the Toggle Help button to see a short description of some of the web page items. First click on the Toggle Help button, and you will see a question mark (?) appear next to some of the web page items. Move the mouse pointer to hover over a question mark to see a short description of a specific web page item.</p>

Note You must click on the **Save** button and then the **Reboot** button for the changes to take effect.

2.5.3 Configure the SIP (Session Initiation Protocol) Parameters

1. Click on the **SIP** menu button to open the **SIP** page (Figure 2-10).

Figure 2-10. SIP Configuration Page

SIP Settings

Enable SIP operation:
 Register with a SIP Server:
 Use Cisco SRST:
 Primary SIP Server: 10.0.0.253
 Primary SIP User ID: 199
 Primary SIP Auth ID: 199
 Primary SIP Auth Password: *****
 Backup SIP Server 1:
 Backup SIP User ID 1:
 Backup SIP Auth ID 1:
 Backup SIP Auth Password 1:
 Backup SIP Server 2:
 Backup SIP User ID 2:
 Backup SIP Auth ID 2:
 Backup SIP Auth Password 2:
 Remote SIP Port: 5060
 Local SIP Port: 5060
 Outbound Proxy:
 Outbound Proxy Port: 0
 Disable rport Discovery:
 Re-registration Interval (in seconds): 360
 Unregister on Boot:
 Keep Alive Period: 10000

SIP Ring Strobe Settings

Blink Strobe on Ring:
 Scene Color BrightnessRed Green Blue
 ADA White 100 0 0 0 Preview

SIP Call Strobe Settings

Blink Strobe during Call:
 Scene Color BrightnessRed Green Blue
 ADA White 100 0 0 0 Preview

MWI Strobe Settings

Blink Strobe on MWI:
 Scene Color BrightnessRed Green Blue
 ADA White 100 0 0 0 Preview

Nightringer Settings

Enable Nightringer:
 SIP Server: 10.0.0.253
 Remote SIP Port: 5060
 Local SIP Port: 5061
 Outbound Proxy:
 Outbound Proxy Port: 0
 User ID: 241
 Authenticate ID: 241
 Authenticate Password: *****
 Re-registration Interval (in seconds): 360

Nightringer Strobe Settings

Blink Strobe on Nightring:
 Scene Color BrightnessRed Green Blue
 ADA White 100 0 0 0 Preview

Dial Out Settings

Dial out Extension: 204
 Extension ID: id204
 Send Multicast Audio:
 Multicast Address: 224.5.5.5
 Multicast Port: 5050
 Repeat Message: 1

Call Disconnection

Terminate Call after delay: 0

Codec Selection

Force Selected Codec:
 Codec: PCMU (G.711, u-law)

RTP Settings

RTP Port (even): 10500
 Jitter Buffer: 50

Save Reboot Toggle Help

The strobe settings will only appear if you are using the Strobe Kit. If you are not using the Strobe Kit, you will not see the strobe settings.

2. On the **SIP** page, enter values for the parameters indicated in [Table 2-4](#).

Note The question mark icon (?) in the following table shows which web page items will be defined after the **Toggle Help** button is pressed.

Table 2-4. SIP Configuration Parameters

Web Page Item	Description
SIP Ring Strobe Settings	
The following strobe settings will only appear if you are using the Strobe Kit. If you are not using the Strobe Kit, you will not see the strobe settings.	
Blink Strobe on Ring ?	When selected, the Strobe will blink a scene when ringing.
Scene ?	Select desired scene (only one may be chosen).
ADA Compliant ?	Strobe will blink ON at the specified brightness for 150ms then OFF for 350ms during the duration of the event.
Slow Fade ?	Strobe will increase in brightness from 0 to the specified brightness and back to 0 over the course of about 3.5 seconds during the duration of the event.
Fast Fade ?	Strobe will increase in brightness from 0 to the specified brightness and back to 0 over the course of about 1.5 seconds during the duration of the event.
Slow Blink ?	Strobe will blink ON at the specified brightness for one second then OFF for one second during the duration of the event.
Fast Blink ?	Strobe will blink ON at the specified brightness then OFF five times per second during the duration of the event.
Color ?	Select desired color (only one may be chosen).
Brightness ?	How bright the strobe will blink when there is a SIP Ring. This is the maximum brightness for “fade” type scenes.
Red ?	The red LED value for SIP Ring.
Green ?	The green LED value for SIP Ring.
Blue ?	The blue LED value for SIP Ring.
	Use this button to preview the strobe flashing behavior for the SIP Ring Strobe Settings .
SIP Call Strobe Settings	
The following strobe settings will only appear if you are using the Strobe Kit. If you are not using the Strobe Kit, you will not see the strobe settings.	
Blink Strobe during Call ?	When selected, the Strobe will blink a scene during a call.
Scene ?	Select desired scene (only one may be chosen).
ADA Compliant ?	Strobe will blink ON at the specified brightness for 150ms then OFF for 350ms during the duration of the event.
Slow Fade ?	Strobe will increase in brightness from 0 to the specified brightness and back to 0 over the course of about 3.5 seconds during the duration of the event.
Fast Fade ?	Strobe will increase in brightness from 0 to the specified brightness and back to 0 over the course of about 1.5 seconds during the duration of the event.
Slow Blink ?	Strobe will blink ON at the specified brightness for one second then OFF for one second during the duration of the event.
Fast Blink ?	Strobe will blink ON at the specified brightness then OFF five times per second during the duration of the event.
Color ?	Select desired color (only one may be chosen).

Table 2-4. SIP Configuration Parameters (Continued)

Web Page Item	Description
Brightness ?	How bright the strobe will blink when there is a SIP Call. This is the maximum brightness for “fade” type scenes.
Red ?	The red LED value for SIP Call.
Green ?	The green LED value for SIP Call.
Blue ?	The blue LED value for SIP Call.
	Use this button to preview the strobe flashing behavior for the SIP Call Strobe Settings .
MWI Strobe Settings	The following strobe settings will only appear if you are using the Strobe Kit. If you are not using the Strobe Kit, you will not see the strobe settings.
Blink Strobe on MWI ?	When selected, the strobe will blink a scene when a voicemail is waiting for its extension.
Scene ?	Select desired scene (only one may be chosen).
ADA Compliant ?	Strobe will blink ON at the specified brightness for 150ms then OFF for 350ms during the duration of the event.
Slow Fade ?	Strobe will increase in brightness from 0 to the specified brightness and back to 0 over the course of about 3.5 seconds during the duration of the event.
Fast Fade ?	Strobe will increase in brightness from 0 to the specified brightness and back to 0 over the course of about 1.5 seconds during the duration of the event.
Slow Blink ?	Strobe will blink ON at the specified brightness for one second then OFF for one second during the duration of the event.
Fast Blink ?	Strobe will blink ON at the specified brightness then OFF five times per second during the duration of the event.
MWI Call Color ?	Select desired color (only one may be chosen).
Brightness ?	How bright the strobe will blink when there is a message waiting. This is the maximum brightness for “fade” type scenes.
Red ?	The red LED value for MWI.
Green ?	The green LED value for MWI.
Blue ?	The blue LED value for MWI.
	Use this button to preview the strobe flashing behavior for the MWI Strobe Settings .
Nightringer Strobe Settings	The following strobe settings will only appear if you are using the Strobe Kit. If you are not using the Strobe Kit, you will not see the strobe settings.
Blink Strobe on Nightring ?	When selected, the Strobe will blink a scene when the Nightringer is ringing.
Scene ?	Select desired scene (only one may be chosen).
ADA Compliant ?	Strobe will blink ON at the specified brightness for 150ms then OFF for 350ms during the duration of the event.
Slow Fade ?	Strobe will increase in brightness from 0 to the specified brightness and back to 0 over the course of about 3.5 seconds during the duration of the event.
Fast Fade ?	Strobe will increase in brightness from 0 to the specified brightness and back to 0 over the course of about 1.5 seconds during the duration of the event.

Table 2-4. SIP Configuration Parameters (Continued)

Web Page Item	Description
Slow Blink 	Strobe will blink ON at the specified brightness for one second then OFF for one second during the duration of the event.
Fast Blink 	Strobe will blink ON at the specified brightness then OFF five times per second during the duration of the event.
Color 	Select desired color (only one may be chosen).
Brightness 	How bright the strobe will blink when the Nightringer is ringing. This is the maximum brightness for “fade” type scenes.
Red 	The red LED value for Nightringer.
Green 	The green LED value for Nightringer.
Blue 	The blue LED value for Nightringer.
	Use this button to preview the strobe flashing behavior for the Nightringer Strobe Settings .

Note You must click on the **Save** button and then the **Reboot** button for the changes to take effect.

Note For specific server configurations, go to the following website address:

<http://www.cyberdata.net/connecting-to-ip-pbx-servers/>

2.5.4 Configure the Multicast Parameters

1. Click on the **Multicast** menu button to open the **Multicast** page. See [Figure 2-11](#).

Figure 2-11. Multicast Configuration Page

CyberData Device

Multicast Settings
 Enable Multicast Operation:
 Blink Strobe on Multicast:

Priority	Address	Port	Name	Beep	Relay	Scene	Color	Brightness	Red	Green	Blue	
9	239.168.3.10	11000	Emergency	<input type="checkbox"/>	<input type="checkbox"/>	ADA	White	100	0	0	0	Preview
8	239.168.3.9	10000	MG8	<input type="checkbox"/>	<input type="checkbox"/>	Slow Fade	Red	100	255	0	0	Preview
7	239.168.3.8	9000	MG7	<input type="checkbox"/>	<input type="checkbox"/>	Fast Fade	Yellow	66	255	255	0	Preview
6	239.168.3.7	8000	MG6	<input type="checkbox"/>	<input type="checkbox"/>	Slow Blink	Green	75	0	255	0	Preview
5	239.168.3.6	7000	MG5	<input type="checkbox"/>	<input type="checkbox"/>	Off	White	100	0	0	0	Preview
4	239.168.3.5	6000	MG4	<input type="checkbox"/>	<input type="checkbox"/>	Fast Blink	Blue	100	0	0	255	Preview
3	239.168.3.4	5000	MG3	<input type="checkbox"/>	<input type="checkbox"/>	Slow Fade	White	100	0	0	0	Preview
2	239.168.3.3	4000	MG2	<input type="checkbox"/>	<input type="checkbox"/>	Fast Fade	Violet	90	255	0	255	Preview
1	239.168.3.2	3000	MG1	<input type="checkbox"/>	<input type="checkbox"/>	Slow Blink	Cyan	100	0	255	255	Preview
0	239.168.3.1	2000	Background Music	<input type="checkbox"/>	<input type="checkbox"/>	Fast Blink	Custom	100	125	250	125	Preview

Polycm Default Channel: 1
 Polycm Priority Channel: 24
 Polycm Emergency Channel: 25

SIP calls are considered priority 4.5
 Port range can be from 2000-65535
 Priority 9 is the highest and 0 is the lowest
 A higher priority audio stream will always supersede a lower one
 Priority 9 streams will play at maximum volume
 * You need to reboot for changes to take effect

Save Reboot

The strobe settings will only appear if you are using the Strobe Kit. If you are not using the Strobe Kit, you will not see the strobe settings.

2. On the **Multicast** page, enter values for the parameters indicated in [Table 2-5](#).

Note The question mark icon (?) in the following table shows which web page items will be defined after the **Toggle Help** button is pressed.

Table 2-5. Multicast Page Parameters

Web Page Item	Description
Blink Strobe on Multicast ?	When selected, the Strobe will blink a scene when a multicast is received. Note: The strobe settings will only appear if you are using the Strobe Kit. If you are not using the Strobe Kit, you will not see the strobe settings.
Scene ?	Select desired scene (only one may be chosen). Note: The strobe settings will only appear if you are using the Strobe Kit. If you are not using the Strobe Kit, you will not see the strobe settings.
ADA Compliant ?	Strobe will blink ON at the specified brightness for 150ms then OFF for 350ms during the duration of the event.
Slow Fade ?	Strobe will increase in brightness from 0 to the specified brightness and back to 0 over the course of about 3.5 seconds during the duration of the event.
Fast Fade ?	Strobe will increase in brightness from 0 to the specified brightness and back to 0 over the course of about 1.5 seconds during the duration of the event.
Slow Blink ?	Strobe will blink ON at the specified brightness for one second then OFF for one second during the duration of the event.
Fast Blink ?	Strobe will blink ON at the specified brightness then OFF five times per second during the duration of the event.
Color ?	Select desired color (only one may be chosen).
Brightness ?	How bright the strobe will blink on a multicast page. This is the maximum brightness for “fade” type scenes.
Red ?	The red LED value for Multicast.
Green ?	The green LED value for Multicast.
Blue ?	The blue LED value for Multicast.
	Use this button to preview the strobe flashing behavior for the Multicast Strobe Settings .
	Click the Save button to save your configuration settings. Note: You need to reboot for changes to take effect.
	Click on the Reboot button to reboot the system.
	Click on the Toggle Help button to see a short description of some of the web page items. First click on the Toggle Help button, and you will see a question mark (?) appear next to some of the web page items. Move the mouse pointer to hover over a question mark to see a short description of a specific web page item.

Note You must click on the **Save** button for the changes to take effect.

Note Enabling or disabling the strobe or changing any of the strobe options require you to click on the **Save** button for the changes to take effect.

2.5.4.1 Assigning Priority

The device will prioritize simultaneous audio streams according to their priority in the list.

If both SIP and Multicast is enabled, SIP audio streams are considered priority **4.5**. SIP audio will interrupt multicast streams with priority **0** through **4** and will be interrupted by multicast streams with priority **5** through **9**.

During priority **9** multicast streams, the volume is set to maximum.

Note SIP calls, multicast streams, ring tones, ringback tones, and nightring tones are all prioritized.

Ringtones and
Nightringtones

Ringtones all play at the same priority level. This means that it is possible to have a nightring tone and a normal ringtone playing at the same time.

2.5.5 Configure the Sensor Configuration Parameters

1. Click **Sensor** menu button to open the **Sensor** page (Figure 2-12).

Figure 2-12. Sensor Configuration Page

CyberData Device

Door Sensor Settings

Door Sensor Normally Closed: Yes No

Door Open Timeout (in seconds):

Flash Button LED:

Activate Relay:

Play Audio Locally:

Make call to extension:

Dial Out Extension:

Dial Out ID:

Play recorded audio:

Repeat Sensor Message:

Intrusion Sensor Settings

Flash Button LED:

Activate Relay:

Play Audio Locally:

Make call to extension:

Dial Out Extension:

Dial Out ID:

Play recorded audio:

Repeat Intrusion Message:

Intrusion Sensor Strobe Settings

Blink Strobe on Intrusion Sensor:

Scene	Color	Brightness	Red	Green	Blue
ADA	White	100	255	0	0

Preview

Save Reboot Toggle Help

Test Door Sensor Test Intrusion Sensor

The strobe settings will only appear if you are using the Strobe Kit. If you are not using the Strobe Kit, you will not see the strobe settings.

2. On the **Sensor** page, enter values for the parameters indicated in [Table 2-6](#).

Note The question mark icon (?) in the following table shows which web page items will be defined after the **Toggle Help** button is pressed.

Table 2-6. Sensor Configuration Parameters

Web Page Item	Description
Sensor Strobe Settings	
The following strobe settings will only appear if you are using the Strobe Kit. If you are not using the Strobe Kit, you will not see the strobe settings.	
Blink Strobe on Sensor ?	When selected, the Strobe will blink a scene when the sensor is triggered.
Scene ?	Select desired scene (only one may be chosen).
ADA Compliant ?	Strobe will blink ON at the specified brightness for 150ms then OFF for 350ms during the duration of the event.
Slow Fade ?	Strobe will increase in brightness from 0 to the specified brightness and back to 0 over the course of about 3.5 seconds during the duration of the event.
Fast Fade ?	Strobe will increase in brightness from 0 to the specified brightness and back to 0 over the course of about 1.5 seconds during the duration of the event.
Slow Blink ?	Strobe will blink ON at the specified brightness for one second then OFF for one second during the duration of the event.
Fast Blink ?	Strobe will blink ON at the specified brightness then OFF five times per second during the duration of the event.
Color ?	Select desired color (only one may be chosen).
Brightness ?	How bright the strobe will blink when the sensor is triggered. This is the maximum brightness for "fade" type scenes.
Red ?	The red LED value for the Sensor.
Green ?	The green LED value for the Sensor.
Blue ?	The blue LED value for the Sensor.
	Use this button to preview the strobe flashing behavior for the Sensor Strobe Settings .
Intrusion Sensor Strobe Settings	
The following strobe settings will only appear if you are using the Strobe Kit. If you are not using the Strobe Kit, you will not see the strobe settings.	
Blink Strobe on Intrusion Sensor ?	When selected, the Strobe will blink a scene when the intrusion sensor is triggered.
Scene ?	Select desired scene (only one may be chosen).
ADA Compliant ?	Strobe will blink ON at the specified brightness for 150ms then OFF for 350ms during the duration of the event.
Slow Fade ?	Strobe will increase in brightness from 0 to the specified brightness and back to 0 over the course of about 3.5 seconds during the duration of the event.

Table 2-6. Sensor Configuration Parameters (Continued)

Web Page Item	Description
Fast Fade 	Strobe will increase in brightness from 0 to the specified brightness and back to 0 over the course of about 1.5 seconds during the duration of the event.
Slow Blink 	Strobe will blink ON at the specified brightness for one second then OFF for one second during the duration of the event.
Fast Blink 	Strobe will blink ON at the specified brightness then OFF five times per second during the duration of the event.
Color 	Select desired color (only one may be chosen).
Brightness 	How bright the strobe will blink when the intrusion sensor is triggered. This is the maximum brightness for “fade” type scenes.
Red 	The red LED value for the Intrusion Sensor.
Green 	The green LED value for the Intrusion Sensor.
Blue 	The blue LED value for the Intrusion Sensor.
	Use this button to preview the strobe flashing behavior for the Intrusion Sensor Strobe Settings .
	Click the Test Door Sensor button to test the door sensor.
	Click the Test Intrusion Sensor button to test the Intrusion sensor.
	Click the Save button to save your configuration settings. Note: You need to reboot for changes to take effect.
	Click on the Reboot button to reboot the system.
	Click on the Toggle Help button to see a short description of some of the web page items. First click on the Toggle Help button, and you will see a question mark () appear next to some of the web page items. Move the mouse pointer to hover over a question mark to see a short description of a specific web page item.

Note You must click on the **Save** button for the changes to take effect.

Note None of the **Sensor Configuration Page** settings require a reboot for the changes to take effect.

Appendix A: Mounting the Auxiliary RGB Strobe Kit

A.1 Mount the Auxiliary RGB Strobe Kit

Before you mount the Auxiliary RGB Strobe Kit, make sure that you have received all the parts for each Auxiliary RGB Strobe Kit. Refer to [Table A-1](#).

Table A-1. Wall Mounting Components (Part of the Accessory Kit)

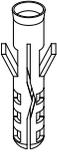
Quantity	Part Name	Illustration
4	#6 x 1.5 inches Sheet Metal Screw	
4	#6 Ribbed Plastic Anchor	

Table A-2. Gang Box Mounting Components

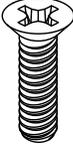
Quantity	Part Name	Illustration
4	#6-32 x 0.625-inch Flat-Head Machine Screw.	

Figure A-1 shows the wall mounting option for the Auxiliary RGB Strobe Kit.

Note Be sure to connect the Auxiliary RGB Strobe Kit to the Earth Ground.

Figure A-1. Wall Mounting Options

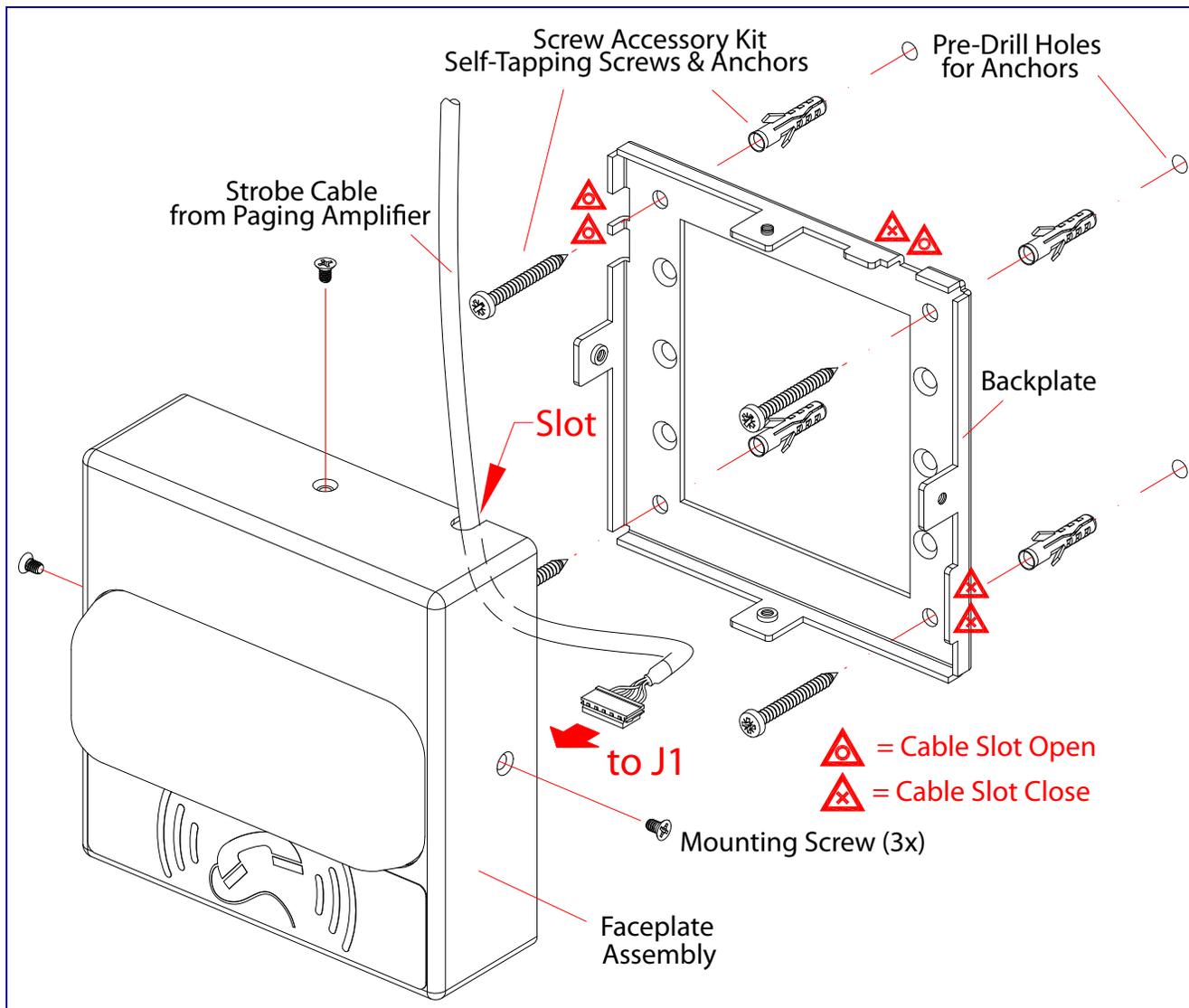


Figure A-2 shows the gang box mounting options for the Auxiliary RGB Strobe Kit.

Note Be sure to connect the Auxiliary RGB Strobe Kit to the Earth Ground.

Figure A-2. Gang Box Mounting Options

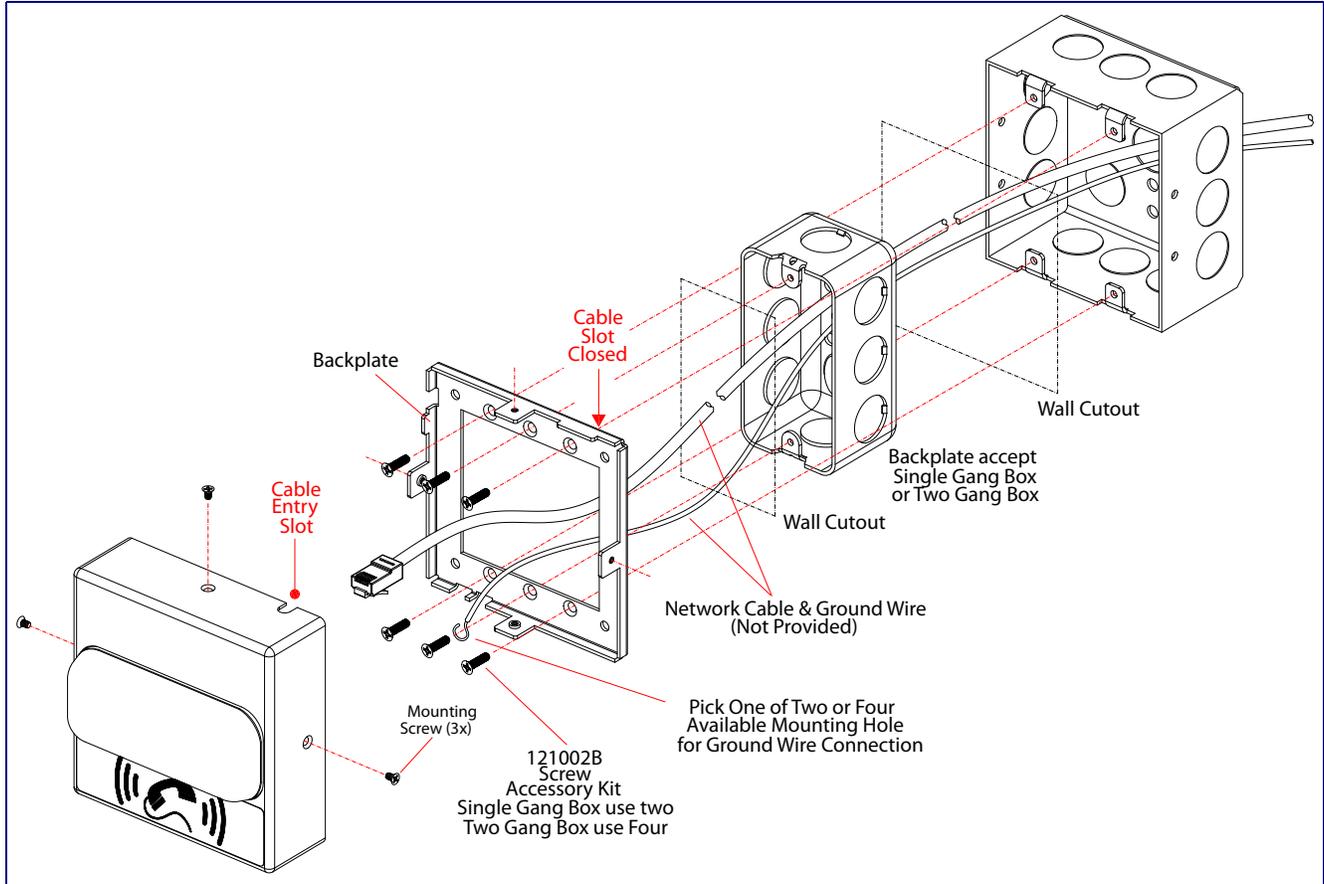
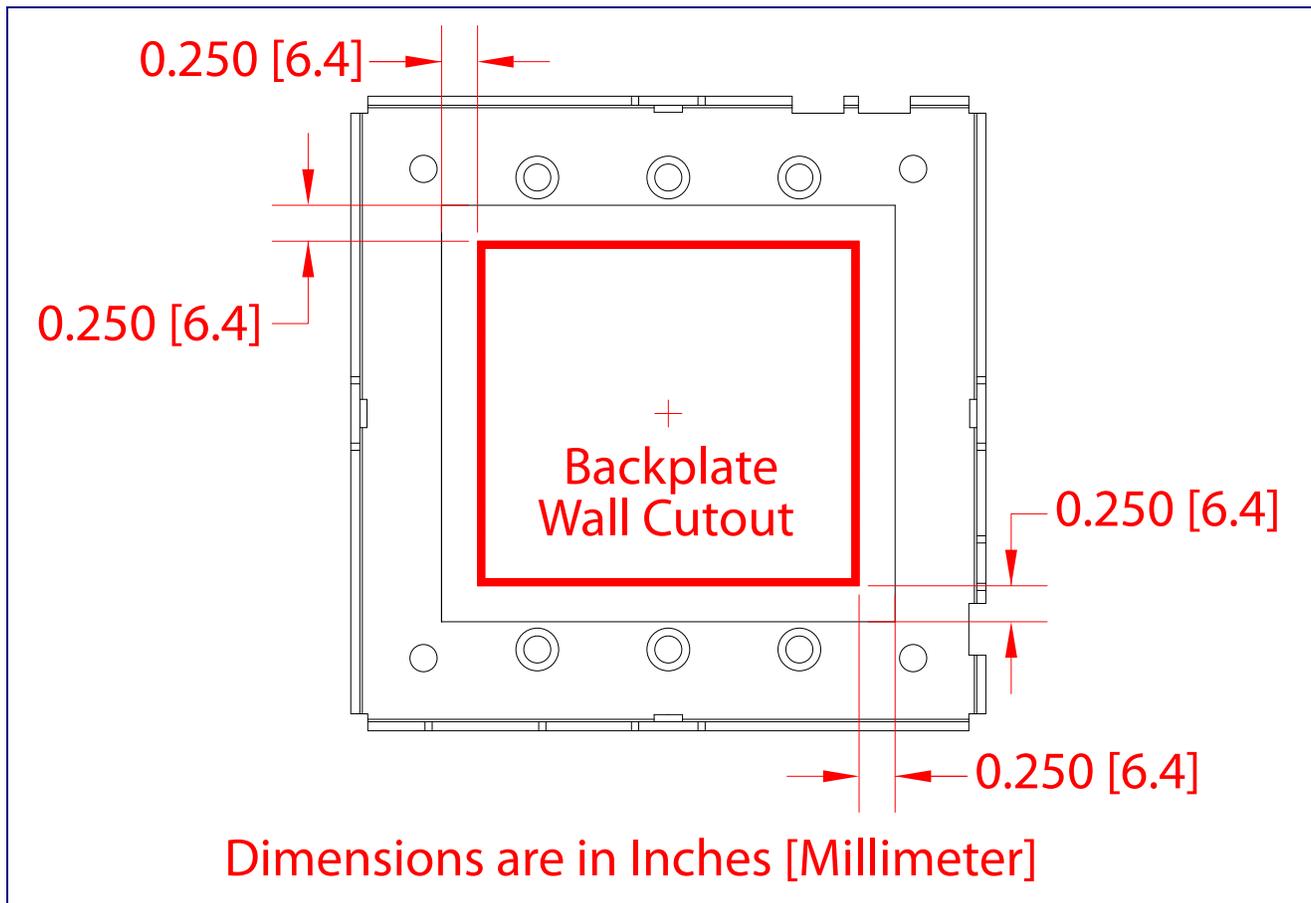


Figure A-3 shows the wall mounting with either a single or two gang box.

Figure A-3. Wall Mounting with Single or Two Gang Box



Appendix B: Troubleshooting/Technical Support

B.1 Frequently Asked Questions (FAQ)

To see a list of frequently asked questions for your product, click on the **FAQs** tab at the following webpage:

<http://www.cyberdata.net/voip/011288/>

B.2 Documentation

The documentation for this product is released in an English language version only.

To download PDF copies of CyberData product documentation, click on the **Downloads** tab at the following webpage:

<http://www.cyberdata.net/voip/011288/>

B.3 Contact Information

Contact CyberData Corporation
 3 Justin Court
 Monterey, CA 93940 USA
 www.CyberData.net
 Phone: 800-CYBERDATA (800-292-3732)
 Fax: 831-373-4193

Sales Sales 831-373-2601, Extension 334

Technical The fastest way to get technical support for your VoIP product is to submit a VoIP Technical
Support Support form at the following website:

<http://support.cyberdata.net/>

The Support Form initiates a ticket which CyberData uses for tracking customer requests. Most importantly, the Support Form tells us which PBX system and software version that you are using, the make and model of the switch, and other important information. This information is essential for troubleshooting. Please also include as much detail as possible in the **Comments** section of the Support Form.

Phone: (831) 373-2601, Extension 333

B.4 Warranty and RMA Information

The most recent warranty and RMA information is available at the following website address:

<http://support.cyberdata.net/>

Appendix C: Regulatory Compliance

C.1 CE/FCC Testing

CE testing has been performed according to EN ISO/IEC 17050 for Emissions, Immunity, and Safety.

C.2 Directive 2014/35/EU

Safety: EN 60950-1:2006/A2:2013

Directive 2014/30/EU

C.3 EMC Emissions:

EN 55032:2015

EN61000-3-2:2009

C.4 Immunity:

EN55024:2010

EN61000-4-2:2009

EN61000-4-3:2010

EN61000-4-4:2004

EN61000-4-5:2006

EN61000-4-6:2009

EN61000-4-11:2004

C.5 FCC Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

C.6 Declaration of Conformity

EU Declaration of Conformity

Manufacturer's Name: CyberData Corporation

Manufacturer's Address: 3 Justin Court
Monterey, CA 93940

declares that these products:

Product name: RGB SIP Strobe, RGB Singlewire Strobe and
Auxiliary Strobe

Model Numbers: 011288, 011376, 011377

conforms to the following harmonized legislation:

Directive 2014/35/EU
Safety: EN 60950-1:2006/A2:2013

Directive 2014/30/EU
EMC:

Emissions:
EN 55032:2015
EN61000-3-2:2009

Immunity:
EN55024:2010
EN61000-4-2:2009
EN61000-4-3:2010
EN61000-4-4:2004
EN61000-4-5:2006
EN61000-4-6:2009
EN61000-4-11:2004

Supplementary Information:

This declaration of conformity is issued under the sole responsibility of the manufacturer.



Phillip Lembo
President

CyberData Corporation, Monterey, CA

12 December 2016

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